

L 6520-66 FSS-2/EWT(1)/EWT(m)/FS(v)-3/EEC(k)-2/FGC/EWA(d)/EWA(h) TT/DD/GW
ACC NR: AP5026058 SOURCE CODE: UR/0293/65/003/005/0782/0788

AUTHOR: Kovalev, Ye. Ye.; Osanov, D. P.; Radziyevskiy, G. B.; Mel'nik, A. D.

ORG: none

TITLE: Protection of the cosmonaut from electrons and bremsstrahlung radiation in the earth's radiation belt

SOURCE: Kosmicheskiye issledovaniya, v. 3, no. 5, 1965, 782-788

TOPIC TAGS: radiation protection, manned space flight, radiation biologic effect, electron, bremsstrahlung, absorbed dose, tissue dose, radiation dosimetry

ABSTRACT: The authors consider methodological problems in calculating the protection of cosmonauts from electron and bremsstrahlung irradiation in the earth's radiation belt. Among these problems is the selection of criteria for evaluating the radiation hazard and geometrical peculiarities of protective structures. A calculation is proposed for the protection of a cosmonaut situated outside a spacecraft in a radiation belt. Experimental data on the depth distribution of electron doses in materials of low atomic number are used in this calculation. The possibility of using a single dose distribution for electrons in an energy interval up to 3 Mev is demonstrated. Also presented are evaluations of bremsstrahlung tissue doses emittable by electrons in a protective layer. Orig. art. has: 4 figures.

[CD]

Card 1/2

UDC: 628.58:629.198.621

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L 6520-66

ACC NR: AP5026058

SUB CODE: LS/ SUBM DATE: 25Apr64/ ORIG REF: 007/ OTH REF: 009/ ATD PRESS:

4140

nw

Card 2/2

MEL'NIK, A.F.

Development of the elm *Ulmus pinnate-ramosa* Dieck. in the Alma-Ata Botanical Garden. Trudy Alma-At.bet.sada 2:97-101 '54. (MIRA 9:7)
(Alma-Ata--Elm)

MEL'NIK, A.F.

Cultivation of Spiraeanthus in the Alma-Ata Botanical Garden.
Trudy Alma-At.bot. sada 3:44-48 '56. (MLRA 10:3)
(Alma-Ata--Spiraeanthus)

MEL'NIK, A.F.

Carotens in pasture foods of the deserts of southeastern Kazakhstan.
Izv. AN Kazakh.SSR. Ser.biol. no.11:58-65 '56. (MIRA 10:2)

1. Institut kormov i pastbishch Kazfiliala Vsesoyuznoy Akademii
sel'skokhozyaystvennykh nauk im. Lenina.
(ALMA-ATA PROVINCE--FORAGE PLANTS) (CAROTENE)

MELNIK, A. F.

✓ Content of carotene in feeds of desert pastures of Alma-Ata region. A. F. Mel'nik. *Vestnik Akad. Nauk Kazakh. S.S.R.* 12, No. 5, 72-9 (1958) (In Russian).—Data are tabulated on the content of carotene in various desert plants found in pastures in Alma-Ata region during various parts of a yr., covering a 5-yr. period. It is concluded that these plants are capable of supplying the normal animal requirements of carotene in feeding. G. M. Kosolapoff

Med. /

COUNTRY : USSR L
 CATEGORY : Meadow Cultivation.
 ABSTRACT : RZhBiri., No. 3, 1959, No. 10825
 AUTHOR : Mal'nik, A. P.
 TITLE : Scientific Research Institute of Feeds and Pastures*), Dynamics of the Fodder Productivity and Chemical Composition of the Desert Pasture Plants in Southeastern Kazakhstan.
 ORIG. PUB. : Tr. Nauch. in-ta kormov and pastbishch, 1957, 1, 30-58
 SUMMARY : A continuous study of the desert speargrass-wormwood and wormwood-ephemera-abelmosk pastures of Alma-Ata Oblast' was conducted during 1947-1953 at the Institute of Feeds and Pastures of Kazakhstan Affiliate, VASKhNIL (All-Union Academy of Agricultural Sciences imeni Lenin). Investigations were: the accumulation and decrease in the fodder roughage of the pastures during the growing season, the influence of the mowing periods on the growth of the

CALL: 1/3

*)Kazakhstan Affiliate, All-Union Agricultural Academy imeni Lenin.

COUNTRY :
 CATEGORY :
 ABS. JOUR. : RZhBiri., No. 3, 1959, No. 10825
 AUTHOR :
 TITLE :
 ORIG. PUB. :
 ABSTRACT : aftermath and the effect of repeated cattle grazing on the yielding ability and plant composition, the change in the carotene content after the growing season in the principal pasture plants. The amounts of raw protein, fat, cellulose, ash and non-nitrogen extractives was determined in the principal pasture plants. It was found that continuous, intensive utilization of pastures in one and the same season produces the impoverishment of the vegetation and a decrease in the yielding ability. The valuable fodder grasses die out and the grass stand is enriched with weeds which lowers considerably its nutrient value.

CALL: 2/3

COUNTRY :
CATEGORY :
ABS. JOUR. : RZhBiol., No. 1952, No. 10825
AUTHOR :
INSTR. :
TITLE :
ORIG. PUB. :
ABSTRACT : Recommendations are cited on raising the productivity of
the pastures. Bibliography of 24 titles. — K. B. Flerov

CARD: 3/3

-9-

COUNTRY : USSR
CATEGORY : Meadow Cultivation. L

ABS. JOUR. : RZhBiol., No.23, 1958, No. 104590

AUTHOR : Mel'nik, A. F., Matveyev, V.I.
INST. : Scientific Research Institute of Feeds and Pastures.
TITLE : A Study of Forage Resources of Uzen' River Basin in western Kazakhstan Oblast'.

ORIG. PUB. : Tr. N.-1. in-ta kornov i pastbishch, 1957, 1. 50-73

ABSTRACT : Estuary area hay fields with a predominance of quack grass, "sknemyk", foxtail, brome grass, wheatgrass, and wormwood-saltwort pastures were studied during expeditionary and station surveys. Plots for use as seed fields of wild growing wheatgrass were located. Pasture rotations were worked out on the basis of the yields of various types of pastures and their average norms of providing for sheep. The sequence of the treatment, and preparation of the seeds of wild growing grasses are recommended. -- F. M. Kazantsev

Card: 1/1

MEL'NIK, A.F., mladshiy nauchnyy sotrudnik; MUSHEGYAN, A.M., kand.biolog.
nauk; RUBANIK, V.G., kand.biolog.nauk; SUVOROVA, R.I., red.;
GLAZYRIHA, D.M., red.; ALFEROVO, P.F., tekhn.red.

[Trees and shrubs at the Alm-Ata Botanical Garden] Derev'ia i
kustarniki Alma-Atinskogo botanicheskogo sada. Pod red. A.M.
Mushegiana. Alma-Ata, 1959. 274 p. (MIRA 13:4)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Botanicheskiy sad.
(Alma-Ata--Arboretums)

RUBANIK, V.G.; MEL'NIK, A.F.

Trees and shrubs of the Alma-Ata Botanical Garden. Trudy Alma-At.
bot. sada 4:142-162 '59. (MIRA 12:12)
(Alma-Ata--Trees) (Alma-Ata--Shrubs)

MEL'NIK, A.F.

Cultivation of Spiraea in the Alma-Ata Botanical Garden.
Trudy Alma-At.bot.sada 5:35-46 '60. (MIRA 13:6)
(Alma-Ata--Spiraea)

RUBANIK, V.G.; LINCHEVSKIY, O.A.; MATYUSHENKO, A.N.; MEL'NIK, A.F.;
SOLONINOVA, I.N.; BRAILOVSKAYA, M.Ya., red.; OSTROVERKHOV,
A.P., red.; MUSHEGYAN, A.M., prof., doktor biol. nauk, red.; ROEOKINA, Z.P.,
tekh. red.

[Woody plants of the Alma-Ata Botanical Garden] Drevesnaia ra-
stitel'nost' Alma-Atinskogo botanicheskogo sada. Pod red. A.M.
Mushegiana. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962.
328 p. (MIRA 15:12)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Botanicheskiy sad.
(Alma-Ata--Woody plants)

KAPTARENKO-CHERNOUSOVA, Ol'ga Konstantinovna, doktor geol.-miner.
nauk, prof.; GOLYAK, Lyudmila Markovna, inzh.;
ZERNETSKIY, Boris Fedorovich, kand. geol.-miner. nauk;
KRAYEVA, Yelizaveta Yakovlevna, kand. geol.-miner. nauk;
LIPNIK, Yelena Semenovna, mlad. nauchn. sotr.; DIDKOVSKIY,
V.Ya., st. nauchn. sotr., otv. red.; MEL'NIK, A.F., red.;
MATVEYCHUK, A.A., tekhn. red.

[Atlas of typical Jurassic, Cretaceous, and Paleogene
foraminifers in the platform part of the Ukraine] Atlas
kharakternykh foraminifer iury, mela i paleogena platfor-
mennoi chasti Ukrainy. Kiev, Izd-vo AN USSR, 1963. 200 p.
(Seria stratigrafii i paleontologii, no.45)

(MIRA 16:8)

(Ukraine--Foraminifera, Fossil)

KITYK, Vasilii Ivanovich; PORFIR'YEV, V.B., akademik, otv. red.;
MEL'NIK, A.F., red.; LISOVETS, A.M., tekhn. red.

[Conditions governing the formation of salt dome structures]
Uslovia obrazovaniia soliarykh struktur. Kiev, Izd-vo AN
USSR, 1963. 291 p. (MIRA 16:12)

1. Akademiya nauk Ukr.SSR (for Porfir'yev).
(Salt domes)

KAPTARENKO-CHERNOUSOVA, Ol'ga Konstantinovna, prof., doktor geol.-min.nauk;
GOLYAK, Lyudmila Markovna, inzh.; ZERNETSKII, Boris Fedorovich,
kand.geol.-ziner.nauk; KRAIEVA, Yelizaveta Yakovlevna, kand.
geol.-miner.nauk; LIPNIK, Yelena Semenovna, mladshiy nauchnyy
sotrudnik; DIDKOVSKIY, V.Ya., starshiy nauchnyy sotrudnik, otv.red.;
MEL'NIK, A.F., red.; MATVEYCHUK, A.A., tekhn.red.

[Atlas of characteristic foraminifers of the Jurassic, Cretaceous,
and Paleogene in the platform part of the Ukraine] Atlas
kharakternykh foraminifer iury, mela i paleogena platformennoi
chasti Ukrainy. Kiev. Izd-vo Akad. nauk URSR, 1963. 200 p.
(Akademia nauk URSR. Instytut geologichnykh nauk. Trudy. Seriya
stratigrafii i paleontologii, no.45). (MIRA 16:9)
(Ukraine--Foraminifera, Fossil)

RUBANIK, V.G.; KORNEYCHIK, Zh.N.; MEL'NIK, A.F.; SOLONINOVA, I.M.;
ZHERONKINA, T.A.; KALUGIN, E.S.; TKACHENKO, V.S.; BESSCHETNOV,
P.P.; PROTASOV, A.N.; PARAVYAN, A.V., doktor biol. nauk, otv.
red.

[List of trees and shrubs recommended for landscaping in
populated places of Kazakhstan] Spisok derev'ev i kustarni-
kov, rekomenduemykh dlia ozeleneniia naselennykh punktov Ka-
zakhstana. Alma-Ata, Izd-vo AN KazSSR, 1963. 85 p.

(MIRA 17:3)

1. Akademiya nauk Kazakhskoy SSR. Institut botaniki. 2. Glav-
noye upravleniya lesnogo khozyaystva i okhrany lesa Soveta
Ministrov Kazakhskoy SSR (for Tkachenko). 3. Kazakhskiy
sel'skokhozyaystvennyy institut (for Besschetnov, Protasov).

GOFSHTEYN, T. I. ya Davidovich; VYALOV, O.S., akademik, otv. red.;
MEL'NIK, A.F., red.

[Recent tectonics of the Carpathians] Neotektonika Karpat.
Kiev, Izd-vo AN USSR, 1964. 181 p. (MIRA 17:6)

1. AN Ukr.SSR (for Vyalov).

SUBBOTIN, Serafim Ivanovich; NAUMCHIK, Georgiy Lukich; RAKHIMOVA,
Ideya Shaidrova; MEL'NIK, A.F., red.

[Processes in the upper mantle of the earth and the crustal
structure related to them] Protsessy v verkhnei mantii i
svyaz' s nimi stroeniia zemnoi kory. Kiev, Naukova dumka,
1964. 134 p. (MIRA 17:11)

VYALOV, O.S., akademik, otv. red.; BOGDANOVICH, A.K., red.;
BONDAREVA, T.P., red.; PISHVANOVA, L.S., red.;
SUBBOTINA, N.N., red.; MEL'NIK, A.F., red.

[Maikop sediments and their age analogues in the Ukraine
and Central Asia; materials] Maikopskie otlozheniia i ikh
vozrastnye analogi na Ukraine i v Srednei Azii; materialy.
Kiev, Naukova dumka, 1964. 299 p. (MIRA 18:6)

1. Kollokvium po mikrofaune i biostratigrafii maykopskoy
tolshchi i yeye vozrastnykh analogov. Ist, L'vov, 1961.
2. Institut geologii goryuchikh iskopayemykh AN Ukr.SSR
(for Vyalov).

KORNEV, K.A., glav. red.; SHEVLYAKOV, A.S., red.; CHERVYATSOVA, L.L., red.; SMETANKINA, N.P., red.; YEGOROV, Yu.P., red.; ROMANKEVICH, M.Ya., red.; KUZNETSOVA, V.P., red.; PAZENKO, Z.N., red.; KACHAN, A.A., red.; VOYTSEKHOVSKIY, R.V., red.; GREKOV, A.P., red.; DUMANSKIY, I.A., red.; AVDAKOVA, I.L., red.; VYSOTSKIY, Z.Z., red.; GUMENYUK, V.S., red.; MEL'NIK, A.F., red.

[Synthesis and physical chemistry of polymers; articles on the results of scientific research] Sintez i fiziko-khimiya polimerov; sbornik statei po rezul'tatam nauchno-issledovatel'skikh rabot. Kiev, Naukova dumka, 1964. 171 p. (MIRA 17:11)

1. Akademiya nauk URSS, Kiev. Institut khimii vysokomolekulyarnykh soyedineniy. 2. Institut fizicheskoy khimii im. L.V. Pisarzhevskogo AN USSR (for Vysotskiy). 3. Institut khimii vysokomolekulyarnykh soyedineniy AN USSR (for Romankevich, Chervyatsova, Voytsekhovskiy).

LEBEDEV, Yuriy Sergeevich; LEBEDINSKIY, V.I., kand. geol.-
miner. nauk, otv. red.; MEL'NIK, A.F., red.

[Mineralogy and genesis of the weathering surface of ultra-
basites in the middle Bug Valley] Mineralogiia i genezis ko-
ry vyvetrivaniia giperbazitov Srednego Pobuzh'ia. Kiev,
Naukova dumka, 1965. 80 p. (MIRA 18:4)

ANTIPOV, Viktor Ivanovich; LADY ZHENSKIY, N.R., doktor geol.-miner.
nauk, otv. red.; MEL'NIK, A.F., red.

[Seismotectonics of the western provinces in the Ukraine]
Seismotektonika zapadnykh oblastei Ukrainy. Kiev, Naukova
dumka, 1965. 54 p. (MIRA 18:4)

IVANTISHIN, Mikhail Nikolayevich; GORNOY, Georgiy Yakovlevich; KUL'SKAYA, Ol'ga Adol'fovna; YELISEYEVA, Galina Dmitriyevna, Prinsipali uchastiye: GAVRILOVA, Z.F., inzh.-khimik; KAZANTSEVA, A.I., inzh.-khimik; LOGVINA, L.A., inzh.-khimik; USLONTSEVA, L.A., inzh.-khimik; GUDIMENKO, L.F., inzh.; NAZAREVICH, Ye.S., inzh.; SHKVARUK, R.N., inzh.; ORLOVA, L.A., inzh.; BASHMAKOVA, S.G., inzh.-geolog; BURKSER, Ye.S., otv. red.; MEL'NIK, A.F., red.

[Geochemistry and analytic chemistry of rare-earth elements. Pt.1. Accessory rare-earth minerals and elements of the cerium subgroup in the Ukrainian Crystalline Shield] Geokhimiia i analiticheskaiia khimiia redkozemel'nykh elementov. Kiev, Naukova dumka. Pt.1. Aktsessornye redkozemel'nye mineraly i elementy tserievoi podgruppy ukrainskogo kristallicheskogo shchita. 1964. 164 p. (Akademiia nauk URSR. Instytut geologichnykh nauk. Trudy. Seriiia petrografii, mineralogii i geokhimiia, no.21).

(MIRA 1881)

1. Chlen-korrespondent AN UkrSSR (for Burkser).

BONDARCHUK, V.G., akademik, otv. red.; SHELKOPLYAS, V.M., red.;
MEL'NIK, A.F., red.

[Materials on the Quaternary period of the Ukraine] Materialy
po chetvertichnomu periodu Ukrainy. Kiev, Naukova dumka,
1965. 328 p. (MIRA 18:9)

1. Akademiya nauk URSR, Kiev. Komisiya vyvchannya chetvertyn-
noho periodu. 2. Akademiya Nauk Ukr. SSR Institut geologicheskikh
nauk (for Bondarchuk).

MEL'NIK, A.I.; FRENKEL', I.B.

Better regulation of raw material expenditure in woolen manufacture.
Tekst.prom. 20 no.10:75-76 0'60. (MIRA 13:11)

1. Direktor sukounoy fabriki imeni Lenina (Khmel'nitskaya obl.)
(for Mel'nik).
2. Glavnyy inzhener sukounoy fabriki imeni Lenina
(Khmel'nitskaya obl.) (for Frenkel').
(Woolen and worsted manufacture)

MEL'NIK, A. L.

Mel'nik, A. L.

"Organization of the movement of trains on double-tracked lines during the performance of line work." Min Railways USSR, All-Union Sci Res Inst of Railroad Transport. Moscow, 1956. (Dissertation for the Degree of Candidate in Technical Sciences.)

Knizhnaya letopis'

No. 25, 1956, Moscow

Инженер-экономист, кандидат технических наук.

Utilizing railroad traffic capacity reserves in organizing repair
and construction work. Vest.TSNII MPS no.3:30-35 N '56.
(Railroads--Management) (MIRA 10:1)

MEL'NIK, A.L., inzhener.

Lacking deep analysis and general conclusions ("Organization of
train movements while work on tracks is in progress." A.I.
Bogachev, Reviewed by A.L. Mel'nik). Zhel.dor.transp. 37 no.3:
93-95 Mr '56. (MIRA 9:5)
(Railroads--Management) (Bogachev, A.I.)

NIKITIN, Vladimir Dmitriyevich; MEL'NIK, Aleksandr Lukich; ZABELLO, Mariya L'vovna; DLUGACH, Boris Abramovich; GOL'DENTUL, Boris Aronovich; PRIGOROVSKIY, V.F., red.; KHITROV, P.A., tekhn.red.

[Marshaling yards of railroads in other countries] Sortirovochnye stantsii zarubezhnykh zheleznykh dorog. Moskva, Gos. transp. zhel-dor. izd-vo, 1957. 174 p. (MIRA 11:5)
(Railroads--Hump yards)

MEL'NIK, A.L., kandidat tekhnicheskikh nauk.

Efficient train scheduling during work on tracks on double track
lines. Zhel.dor.transp.39 no.2:36-39 F '57. (MLRA 10:3)
(Railroads--Maintenance and repair)

SOV/112-59-2-3600

32(3)

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 2, p 195 (USSR)

AUTHOR: Mel'nik, A. L., and Semin, K. F.

TITLE: Mechanization of Ticketing-Machine Operation on Italian Railroads
(Mekhanizatsiya raboty biletnykh kass na zheleznykh dorogakh Italii)

PERIODICAL: Byul. tekhn.-ekon. inform. M-vo putey soobshch. SSSR. Nauchno-
tekhn. o-vo zh.-d. transp., 1958, Nr 11-12, pp 110-113

ABSTRACT: Many ticket offices at Italian railroad stations are equipped with computing and ticket-printing machines that permit mechanizing all or part of the operations involved in selling tickets. Some machines are intended only for ticket punching, for indicating the car class, tariff, the price paid, and for counting receipts. The machines are electrically driven; on a power interruption, the printing can be done manually. Among these types of machines, the cash register described in the article has received wide usage; it is intended for counting the tickets sold and the receipts. Ticket-printing

Card 1/2

SOV/112-59-2-3600

Mechanization of Ticketing-Machine Operation on Italian Railroads

machines with 250 and 500 plates are operated at large railroad stations. A better machine prints tickets from 1,000 plates; ticket-printing machines with 250, 500, and 1,500 plates are manufactured for special cases. Simultaneously with the printing, the mechanism performs accounting operations and totals the receipts. The average time of printing a ticket is 4 sec or, considering the time used in handing change to the passenger, 10 sec. Five illustrations.

T. I. L.

Card 2/2

MEL'NIK, A.L., kand. tekhn. nauk

Developing railroad yards in the Federal Republic of Germany.
Vest. TSNII MPS 17 no.6:57-58 S '58. (MIRA 11:11)
(Germany, West--Railroad yards)

MEL'NIK, A. L., inzh.; VASIL'YEV, I. P., inzh.

Organization of train movement on Italian railroads. Zhel. dor. transp.
40 no. 2:86-90 # '58. (MIRA 11:2)

(Italy--Railroads--Traffic)

MEL'NIK, A.L., kand. tekhn. nauk; STRAKOVSKIY, I.I., kand. tekhn. nauk

Introducing automatic control in the process of sorting railroad cars in hump yards. Zhel. dor. transp. 40 no. 7:39-43 JI '58.
(Railroads--Hump yards)
(Automatic control)

MEL'NIK, A.L., kand.tekhn.nauk

Large classification yard located on a slope. Zhel.dor.transp.
41 no.3:88-91 Nr '59. (MIRA 12:6)
(Nuremberg--Railroads--Yards)

BARANOV, Abram Moiseyevich, kand.tekhn.nauk; BERNGARD, Konstantin
Alekseyevich, doktor tekhn.nauk; MEL'NIK, Aleksandr Lukich,
kand.tekhn.nauk; PEYSAKHZON, Boris Emamulovich, kand.tekhn.
nauk; AL'TERMAN, S.L., inzh., red.; KHITROV, P.A., tekhn.red.

[Organizing the train traffic on electrified lines] Orga-
nizatsiia dvizheniia poezdov na elektrifitsirovannykh liniakh.
Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshche-
niia, 1960. 222 p. (MIRA 13:5)
(Electric railroads--Traffic)

MEL'NIK, A.L., kand.tekhn.nauk

Graphic train sheets with "intervals" on double-track
lines. Vest.TSNII MPS 19 no.2:46-51 '60. (MIRA 13:6)
(Railroads--Traffic)

AL'TERMAN, Semen L'vovich; SMETANIN, Aleksandr Ivanovich; MEL'NIK, A.L.,
kand.tekhn.nauk, retsenzent; SUKACHEV, V.V., inzh., retsenzent;
TSARENKO, A.P., inzh., red.; MEDVEDEVA, M.A., tekhn.red.

[Organizing work with local cars] Organizatsiia raboty s mestnymi
vagonami. Moskva, Vses.izdatel'sko-poligr.ob'edinenie M-va putei
soobshchenia, 1961. 174 p. (MIRA 14:6)
(Railroads—Management)
(Railroads—Freight)

YALOVOY, Yu.G.; VOROB'YEV, N.A., kand.tekhn.nauk, retsenzent; MEL'NIK, A.L.,
kand.tekhn.nauk, retsenzent; PETROVA, V.L., inzh., red.;
KHITROVA, N.A., tekhn.red.

[Distribution of passing points on double-track lines with an
automatic block signal system] Razmeshchenie obgonnykh punktov na
dvukhputnykh liniakh s avtoblokirovkoi. Moskva, Transzheldorizdat,
1963. 72 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii
institut zheleznodorozhnogo transporta. Trudy, no.259).

(MIRA 16:8)

(Railroad engineering) (Railroads--Signaling--Block system)

MEL'NIK, A.L., kand.tekhn.nauk

Improving the planning of the use of the fleet of cars. Zhel.-dor.transp.
45 no.12:43-46 D '63. (MIRA 17:2)

S/081/62/050/021/031/067
B149/B101

AUTHORS: Mirskiy, Ya. V., Mitrofanov, M. G., Bolotov, L. T.,
Meshlusova, A. I., Sunin, K. F., Dul'skaya, V. N.,
Mel'nik, A. N.

TITLE: Preparation of experimental samples of molecular sieves under industrial conditions

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1962, 319, abstract 21K106 (Novosti neft. i gaz. tekhn. Nefteproduktsiya i neftekhimiya, no. 2, 1962, 13 - 15)

TEXT: Molecular sieves are prepared in the following way: a crushed silicate chunk is cooked in an autoclave with live steam, transferred to a collector, diluted with steam condensate, cooled and transferred to a container; whereupon sufficient condensate is added to make a working solution, which is left to settle. The clean solution is pumped into another container. A strong alkali solution is transferred from the montejus into a mixer which has a paddle and heater, followed by the condensate and $Al(OH)_3$; the mixture is heated for 3 hours with stirring.

After this the Na-aluminate solution is transferred to a collector from
Card 1/2

Preparation of experimental samples...

S/081/62/000/021/031/069
B149/B101

which the strong solution can be taken to a vessel where it can be diluted with condensate to a working concentration. The latter solution is pumped through a rotameter and fed into a jet mixer together with the Na-silicate solution. The mixture then passes into a continuously working paddle mixer where the gel is formed as a thin pulp. This pulp is transferred to the mixer in which the aluminate solution was previously prepared. The pulp is heated in the mixer until the gel crystallizes. The mass is then transferred into the collectors which previously contained the aluminate and the zeolite is washed by 2 - 3 decantations, then filtered and washed in a filter-press. The cake is divided into two parts, one of which undergoes preliminary drying in a chamber dryer and is transferred on to crusher-roll mill while the other is transferred directly to the mill. There the zeolite is mixed with clay into a mass which is made into tablets, and the latter are dried, calcined and sieved from crumbs in a drum sieve. Part of the zeolite is treated with CaCl_2 to prepare a selective adsorbent for separating gasoline fractions. The weight of 1 m³ of sodium zeolite is 0.73, and its sorption capacity for water is 0.25 cm³/g. 5 references. [Abstractor's note: Complete translation.]

Card 2/2

RAYEV, Z.A.; KORDYUKOVA, N.S.; PINYAYEVA, N.A.; MEL'NIK, A.N.

Improving the maltose activity of distillery baker's yeast.
Ferm. i spirt. prom. 30 no.6:5-7 '64. (MIRA 17:11)

1. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy i
likero-vodechnoy promyshlennosti.

MEL'NIK, A.N.

MEL'NIK, A.N. (Rovno, ul. Mezhevaya, d. 17/2)

Quick macrocytological diagnosis of the most important diseases of the mammary gland. Nov.khir.arkh. no.3:10-14 My-Je '57. (MLRA 10:8)

1. Rovenskiy oblastnoy onkologicheskiy dispensar
(BREAST--DISEASES)

MEHNIK, A.N., Sci--(dis) "On the ^h theory of clinical-morphological diagnosis of ~~the~~ a group of the strains of the strains." Rev. 1958. Sci--(Livv Stat. F & Inst), 1958, 11, 21-22, 1958

721-

MEL'NIK, A.M., KOROLEV, V.I.

Cytological examinations in oncological outpatient clinics and
hospitals. Vrach,delo no.4:431 Ap'58 (MIRA 11:6)

1. Rovenskiy oblastnoy onkologicheskoy dispanser.
(TUMORS)

GANINA, Kaleriya Pavlovna, doktor med. nauk; MEL'NIK, A.N., red.

[Morphology and pathogenesis of esticular tumors] Mor-
fologiya i patogenez opukholei iaichka. Kiev, Zdorov'ia,
1964. 209 p. (MIRA 18:2)

MAL'TSEV, I.T.; MEL'NIK, A.N.; VORONINA, N.A.

Treatment of chronic nonspecific pneumonia and bronchial asthma
with aerosol inhalations. Sov.med. 28 no.4:76-79 Ap '65.

(MIRA 18:6)

I. Omskaya zheleznodorozhnaya klinicheskaya bol'nitsa No.2
(nachal'nik S.F.Mel'nik, nauchnyy rukovoditel' - prof. M.E.
Vinnikov [deceased]).

GANINA, K.F., doktor med.nauk; MEL'NIK, A.N., kand.med.nauk

Report on the Symposium "Role of the Histological
Methods of Research and Histochemistry in the Diagnosis
and Study of the Growth of Tumors." Vop.onk. 11
no.11:115-116 '65.

(MIRA 19:1)

BAKLANOV, Viktor Nikolayevich; MEL'NIK, Anisim Petrovich; POVNITSA,
Anatoliy Rodionovich; DIN'KO, F.M., red.; TIMCHISHINA, N.A.,
tekhn. red.

[Heroic deeds of 5000 young construction workers] Podvyh p'iaty
tysiach. [By] V. Baklanov ta inshi Kyiv, Vyd-vo "Molod'," 1961.
106 p. (MIRA 16:2)
(Ukraine--Construction industry)

MEL'NIK, A.P. [Mel'nyk, A.P.]

Lithofacies characteristics of Sarmatian sediments in the upper
Bug Valley. Geol. zhur. 19 no.5:77-82 '59. (MIRA 13:2)
(Bug Valley--Geology. Stratigraphic)

MEL'NIK, A.P. [Mel'nyk, A.P.]

Lithological and mineralogical characteristics of upper Miocene
sediments in the upper Bug Valley. Geol. zhur. 20 no.2:75-84 '60.
(MIRA 14:5)

(Bug Valley--Sediments (Geology))

MEL'NIK, A.P. [Mel'nyk, A.P.]

Balta sediments in the upper Bug Valley. Geol. zhur. 20 no. 3:49-55
'60. (MIRA 14:4)

(Bug Valley--Sediments (Geology))

MEL'NIK, A.P. [Mel'nyk, A.P.]

Special features of the sedimentation in the upper Bug Valley
during the Miocene period. Geol. zhur. 20 no. 5:67-70 '60.

(MIRA 14:1)

(Bug Valley--Sediments (Geology))

MEL'NIK, A. P.[Mel'nyk, A. P.]

Formation of variegated clays in the upper Bug Valley. Trudy
Inst. geol. nauk. AN URSSR, Ser. zah. geol. no.1:82-87 '62.
(MIRA 16:1)

(Bug Valley—Clay)

MEL'NIK, A. P. [Mel'nyk, A. P.]

Composition of minerals of the finely dispersed fraction
(< 0.001 mm) in some key sections of Quaternary sediments in
the middle Dnieper Valley. Trudy Inst. geol. nauk. AN URSS.
Ser. zah. geol. no. 1:88-113 '62. (MIRA 16:1)

(Dnieper Valley—Minerals—Analysis)

MEL'NIK, A.T.

ABARBARCHUK, I.L.; MEL'NIK, A.T.

Study of system $\text{AsCl}_3\text{---ICl}$. Ukr.khim.zhur.19 no.4:365-367
'53. (MIRA 8:2)

1. Kiyevskiy sel'skokhozyaystvennyy institut, kafedra khimii.
(Chlorides)

PODGAYEFSKIY, V.V.; MEL'NIK, A.V.

Effect of the structure of flux on weld porosity. Avtom.svar. 8 no.4:
58-62 J1-Ag'55. (MIRA 8:11)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki imeni Ye.O.
Patona Akademii nauk USSR
(Electric welding)

MELNIK, A. V., RAYK, S. YA., GRIMPEL, M. S., DYACHENKO, H. J.,
and BALTAGA, S. V. (USSR)

"Pectin from the Watermelon and the Possibility of its Commercial
Preparation."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

MELNIK, A.V., RAYK, S.Ya., RAYK, S.Ya. KAKHANA, B.M., PONOMAREVA, N.P.,
ARASIMOVICH, V.V., (USSR)

"The Various Pathways of Carbohydrate Metabolism in the
Cucurbitaceae."

Report presented at the 5th Int'l. Biochemistry Congress, Moscow,
10-16 Aug 1961.

MEL'NIK, A.V.; ARASIMOVICH, V.V.

Enzymatic production of galacturonic acid. Dokl. AN SSSR 136 no.5:
1235-1237 F '61. (MIRA 14:5)

1. Institut biologii Moldavskogo filiala AN SSSR. Predstavleno akad.
A.I. Oparinym.

(GALACTURONIC ACID) (PECTIN)

MEL'NIK, A.V.; ARASIMOVICH, V.V.

Role of pectolytic enzymes and oxidizing processes in the conversions of pectic substances in watermelons. Biokhim. pl. i ovoshch. no. 7:207-217 '62. (MIRA 16:1)
(Pectic substances) (Enzymes) (Watermelons)

L 35812-66 EWP(k)/EWT(m)/T/EWP(v)/EWP(t)/ETI IJP(c) JD/HM

ACC NR: AP6015250 (A) SOURCE CODE: UR/0125/66/000/005/0068/0069

AUTHOR: Yuzvenko, Yu. A., Shimanovskiy, V. P., Mel'nik, A. V., Dmitriyev, V. G. 46
B

ORG: [Yuzvenko, Shimanovskiy, Mel'nik] Institute of Electric Welding im. Ye. O. Paton, AN UkrSSR (Institut elektrosvarki AN UkrSSR); [Dmitriyev] Combine for the Extraction and Processing of the Ores of the Kursk Magnetic Anomaly (Kombinat po dobychyye i pererabotka rud Kurskoy magnitnoy anomalii)

TITLE: Prolonging the service life of the teeth of excavator buckets by building them up with powdered-metal electrode wire 4

SOURCE: Avtomaticheskaya svarka, no 5, 1966, pp 68-69

TOPIC TAGS: powder metal, wire, manganese steel, excavating machinery, welding electrode, metal surfacing/PP-U25Kh17T-0 welding electrode, G13L steel, EKG-4 excavating machinery 4

ABSTRACT: The service life of bucket teeth of G13L steel ranges from 3 to 20 days depending on operating conditions and the hardness of the rock being excavated. These teeth weigh ~120 kg each, and are mounted on the buckets of EKG-4 excavators. In this connection, the authors experimented with various patterns of the beading of

Card 1/3

UDC: 621.791.92:621.879.4

L 35812-66

ACC NR: AP6015250

the worn tips of these teeth (Fig. 1), on using PP-U25Kh17T-0 powdered-metal electrode

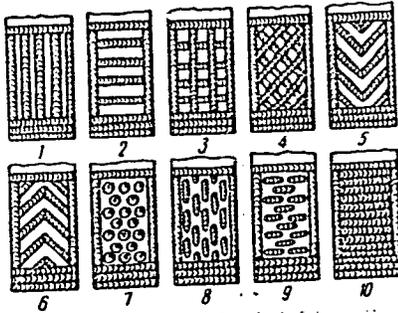


Fig. 1. Alignment of beads during build-up of teeth:

1-10 - ordinal numbers of bead-alignment patterns

wire 3 mm thick as well as a welding current of 240-260 a and a welding voltage of 24-26 v. The width and depth of the beads in every case were 12-15 and 10-12 mm, respectively. Four of the five teeth on each experimental bucket were thus built-up, the fifth having been left alone for purposes of comparison. Following operating trials (excavation operations) the wear on the teeth was compared. Findings: in all cases, except the bead alignment pattern 3 (Fig. 1) this build-up method is superior to the previously employed solid, continuous build-up method. The best results were

Card 2/3

L 35812-66

ACC NR: AP6015250

produced by beading patterns 7, 8 and 9: the service life of the teeth was nearly tripled. Fig. 2 shows the teeth demounted from a bucket following their operating tests: the center tooth had not been built-up. Tests of built-up excavator-bucket

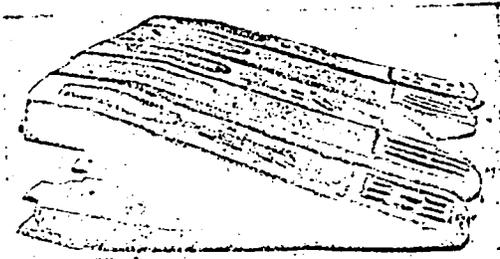


Fig. 2. Teeth after tests. Center tooth not built-up (G13L steel)

teeth used to excavate extremely hard quartzite rocks at the Yuzhnoy Southern Mining and Concentrating Combine have confirmed the effectiveness of this method. The simplicity of this method, based on unshielded welding with a powdered-metal electrode, should be particularly emphasized, since it does not require the use of shielding gases and fluxes. All this warrants recommending the widespread introduction of this method at enterprises of the ore-mining and building materials industries. Orig. art. has: 2 figures, 1 table.

SUB CODE: 11, 13/ SUM DATE: 13Dec65/

ms
Card 3/3

MEL'NIK, B., inzh. po transportu

Promising economic effect. Sov. torg. 35 no.9:28-31 S '62. (M RA 16:2)

1. L'vovskoye upravleniye torgovli.
(Lvov—Delivery of goods)

MEL'NIK, B. (L'vov)

Supply of goods and transportation expenditures. Sov. torg.
36 no.7:32-35 J1 '63. (MIRA 16:8)

(Lvov Province--Cooperative societies)
(Lvov Province--Transportation, Automotive--Freight)

DEMIN, G., kand.tekhn.nauk; DZHOROBYAN, G., kand.tekhn.nauk; MEL'NIK, B., kand.
tekhn.nauk; CHUKHAR'KO, Z., kand.ekonom.nauk

Improvement of the technology of postharvest processing of grain. Muk.-
elev. prom. 28 no.8:6-8 Ag '62. (MIRA 17:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov yego
pererabotki.

MEL'NIK, B. A.
DASHEVSKIY, Ya. V., kandidat tekhnicheskikh nauk; RUNOV, A. Ye., inzhener;
KAZAK, I. S., inzhener; ZHELT'OV, D. D., inzhener; MEL'NIK, B. A., inzhener

New method of silicon iron alloy casting. Stal' 15 no. 8: 714-719 Ag'55.
(MIRA 8'11)

(Iron-silicon alloys) (Iron founding)

PROCESSAL AND PROPERTIAL DATA

18

Ca

Manganesene phosphate. *H. D. McClinton*, *Russ*
 46, 814, May 31, 1936. A manganois salt is treated with
 Na_2HPO_4 or $\text{Na}_2\text{P}_2\text{O}_7$, and the ppt. is treated with H_2O_2
 to form $\text{Mn}(\text{H}_2\text{PO}_4)_2$.

METALLURGICAL LITERATURE CLASSIFICATION

SECTION: 574.23194

SECTION: 604194

SECTION: 604194

157 AND 249 GROUPS 158 AND 250 GROUPS

PROCESSES AND PROPERTIES INDEX

BC B-E-8

Introduction of the productive part of tower systems: B. D. Matyts (J. Chem. Ind. Russ., 1936, 13, 300-303).—The velocity of formation of H_2SO_4 is given by $A = kP^2$, where k is a const., q the amount of $NO + NO_2$ introduced, P the $[H_2SO_4]$, r the degree of hydrolysis of NO_2HNO_2 at a given $[H_2SO_4]$, and t the temp. R. T.

COMMON ELEMENTS

ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION

157 AND 249 GROUPS 158 AND 250 GROUPS

INDEX AND CROSS INDEX

PROCESSES AND PROPERTIES INDEX

15

Ch

$Mn(H_2PO_4)_2$. B. D. Mel'nik, A. M. Shapiro, N. N. Samarin, D. M. Koef and Ya. M. Shmekker. Russ. 58,825, Jan. 31, 1941; addn. to Russ. 40,911 (C. I. 23, 3545). A soln. of 6 mols. of a manganous salt is treated with 4 mols. of Na_2HPO_4 and 1 mol. of Na_2CO_3 , the ppt. is dissolved in H_4NO_2 , and $Mn(H_2PO_4)_2$ is crystd. from the soln.

COMMON ELEMENTS

OPEN

MATERIALS INDEX

400.11.A METALLURGICAL LITERATURE CLASSIFICATION

RECORD NUMBER

SEARCHED

SERIALIZED

INDEXED

FILED

APR 19 1964

FBI - NEW YORK

PROCESSES AND PROPERTIES INDEX

bc

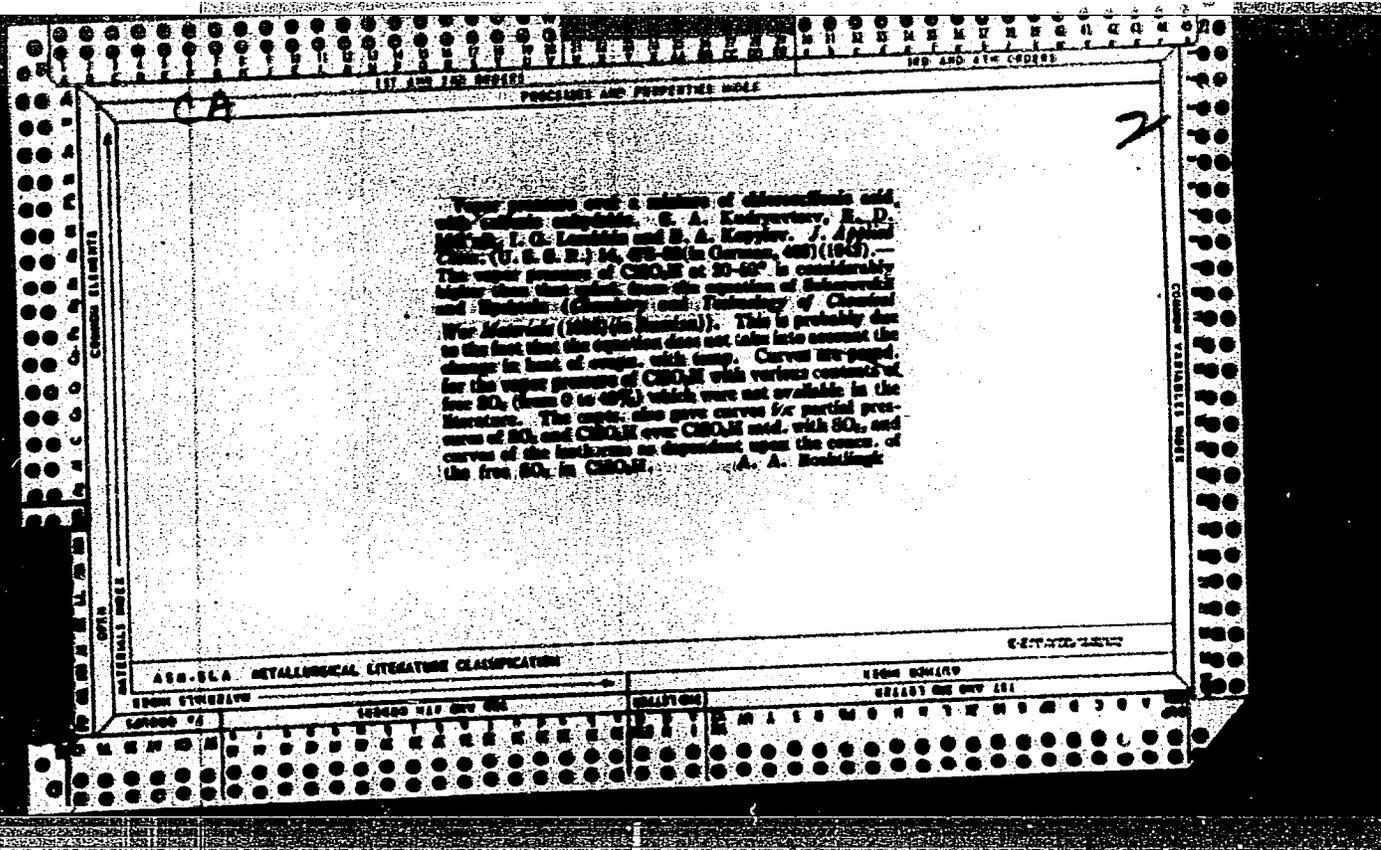
17-1

Vapor pressure of mixtures of chlorosulfonic acid and sulfur trioxide. S. A. Kudjartsev, B. D. Melnik, I. G. Loshchin, and B. A. Kopylov (*J. Appl. Chem. Russ.*, 1941, 14, 478-482).—The v.p. of $ClSO_3H$ is 8.65 mm. Hg at 20° and 24.69 mm. at 30°. Vals. are given for the partial v.p. of loose SO_3 - $ClSO_3H$ mixtures between 20° and 30°.

J. J. H.

ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION

GROUP	SECTION	SUBSECTION	SECTION	SECTION
1	2	3	4	5



* MEL'NIK, B. D.

USSR/Chemistry - Heavy chemical industry

FD-1725

Card 1/1 : Pub. 50-1/18

Author : *Mel'nik, B. D.

Title : The work of sulfuric acid and phosphate fertilizers plants during 1954
and current tasks in that field

Periodical : Khim. prom., No 1, 1-10, Jan-Feb 1955

Abstract : Discusses the execution of the plan for the production of sulfuric acid, superphosphate, and sodium silicofluoride in 1954. According to the figures cited, the plan has been overfulfilled. Makes recommendations to be followed by the sulfuric acid and superphosphate industry as far as building of new plants, production of tower sulfuric acid, production of contact sulfuric acid, and production of phosphate fertilizers are concerned. Discusses the activities of NIUIF [Scientific Research Institute of Fertilizers and Insectofungicides] and of Giprokhim [State Project Institute of the Chemical Industry].

Institution : Main Administration of the Chemical Industry, Ministry of Chemical Industry USSR (*Chief).

Mel'nik, B.D.

Anhydrous sodium sulfate — B. D. Mel'nik and L. V. Saradzhev. U.S.S.R. 102,540. Apr. 30, 1958. Mirabilite is frozen out from natural sulfate brines or synthetic brine, and Na_2SO_4 is salted out from the mirabilite with NH_3 . The NH_3 used in the process follows the absorption-cooling cycle and is regenerated from the moister liquor after the sulfate is removed.

Al. Iliazhev

MeLWIK; B. D.

Discussion of industrial methods of salt production. H. D. McFalk. *Chem. Eng. Prog.* 1956, 163-8. Salts can be divided into 2 groups based on soly. changes with the temp.: (a) The soly. first rises with the temp., then drops to practically 0 at some temp. with the formation of either anhydrous salts or of salts contg. only a little water of crystn., e.g., Na_2SO_4 , K_2SO_4 , MgSO_4 , MnSO_4 , NiSO_4 , Na_2CO_3 , Na_2PO_4 , etc. (b) The soly. increases with the temp.; most chlorides, nitrates, NH_4 salts, and H_2BO_3 (which is produced by methods similar to those used in the salt production) belong to this group. When a process involves a salt sepn. which belongs to both groups, it can in most cases be carried out to advantage at elevated temps., e.g., aschavite filtrate from the H_2SO_4 soln. can be heated to 250° (35 atm.), when $\text{MgSO}_4 \cdot 2\text{H}_2\text{O}$ is pptd., while H_2BO_3 remains in soln.; mirabilite dehydration by heating to 350° of the fused salt opta. Na_2SO_4 almost quantitatively. Na_2CO_3 from natural brines should be heated in autoclaves to 350° when Na_2CO_3 with some Na_2SO_4 is pptd., while NaCl stays in soln.; Na_2CO_3 in the alumina production can be more economically recovered by heating to 350° with the production of the "heavy" instead of the "light" soda. Similarly, the production of Na_2CO_3 from NaHCO_3 can be done more economically by heating in autoclaves. Heating the soln. to high temp. consumes less heat than the evapn. of water. M

W. M. Sternberg

MEL'NIK, B.D.

Means for increasing the production of the Office of the Chemical
Industry. Khim.prom.no.7:385-391 O-N '56. (MLRA 10:1)
(Chemicals--Manufacture)

MEL'NIK, B. D.

"Some New Technological Procedures for the Production of Concentrated and Combined Fertilizers," by B. D. Mel'nik, Khimicheskaya Promyshlennost', No 1, Jan/Feb, pp 5-13, 1957

The most efficient technological procedures for the production of precipitate (dicalcium phosphate) and of double superphosphate by treating apatite concentrates with sulfuric and hydrochloric acids are discussed with reference to the fact that, although application of nitric and thermal phosphoric acids is preferable, sulfuric acid and to some extent hydrochloric acid will still have to be used in the phosphate fertilizers industry for a considerable time. Although the evolution of hydrofluoric acid and the recovery of fluorine are indicated in the schematically represented procedures, they are not discussed in the article. (U)

Sum. 45

MEL'NIK, B.D.

MEL'NIK, B.D.

Producing chlorine-free complete fertilizers. Khim. prom.
no.6:330-333 S '57. (MIRA 11:1)
(Fertilizers and manures)

MEL'NIK, B.D.

USSR / General Topics. Methodology, History, Scientific Institutions and Conferences, Instruction, Bibliography and Scientific Documentation.

A-1

Abs Jour : Ref Zhur - Khimiya, No 5, 1958, No 13413

Author : I. L.A. Kostandov, II. B.D. Mel'nik, III. N.S. Ul'yanov

Inst : Not given

Title : Forty Years of Mineral Fertilizer Industry. I. Nitrogen Fertilizer Industry. II. Phosphorus Fertilizer Industry. III. Phosphate Raw Materials and Potassium Fertilizers.

Orig Pub : Khim. prom-st', 1957, No 7, 422 - 432

Abstract : No abstract

Card : 1/1

MEL'NIK, B.D.

AUTHOR: Mel'nik, B. D. 64 - 7 - 8/12

TITLE: II. The Phosphate Fertilizer Industry (II. Promyshlennost' fosfornykh udobreniy).

PERIODICAL: Khimicheskaya Promyshlennost', 1957, Nr 7, pp.(427)43 - (430)46, (USSR)

ABSTRACT: A survey is given of the development of the phosphate-fertilizer industry. After the second World War the production of nitrogen- and potash fertilizer surpasses that of phosphates, but with respect to the volume consumption, the latter still range first with 36 million tons (48 %) of the total quantity of fertilizer of 75 million tons which were used in 1954-55. In 1949 10 superphosphate factories were in operation, to which 5 were added later. In 1955 the superphosphate production amounted to 3,570 000 t, which is 60 % more than in 1950. In 1956 production increased even more. The new factories were established in Armenia, Uzbekistan, Estonia, and Kazakhstan. In 1950 the production of granulated superphosphate as well as of such as was mixed with ammonia was begun. Directives

CARD 1/2

II. The Phosphate- Fertilizer Industry

64 - 7 -8/12

for the further development of these industries are given. There are 1 figures and 2 tables.

AVAILABLE: Library of Congress

CARD 2/2

ZAMARAYEV, I.K.; MEL'NIK, B.D.; KOSTANDOV, L.A.

Nikolai Mikhailovich Zhavoronkov; on his fiftieth birthday. Khim. nauka
i prom. 3 no.4:521 '58. (MIRA 11:10)
(Zhavoronkov, Nikolai Mikhailovich, 1908)

RYABENKO, A.Ya., glavnyy red.; VINOGRADOV, A.P., red.; VOL'FKOVICH, S.I.,
red.; ZHAVORONKOV, N.M., red.; IVANOV, M.I., red.; KISELEV, V.S.,
red.; LONACHARSKAYA, I.A., red.; MEDVEDEV, S.S., red.; MEL'NIK,
B.D., red.; PLANOVSKIY, A.N., red.; TOPCHIYEV, A.V., red.; ROMM,
R.S., red.; POGUDKIN, P.V., tekhn.red.

[Chemical industry of the U.S.S.R.] Khimicheskaya promyshlennost'
SSSR. Moskva, Gos.nauchno-tekhn.izd-vo khim.lit-ry, 1959. 457 p.
(MIRA 13:4)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy nauchno-tekhnicheskyy
komitet.

(Chemical industries)

KOSTANDOV, L.A.; MEL'NIK, B.D.

Thirteenth Exhibition of ACHEMA of Chemical Apparatus. Khim,
prom. no. 10:68-77 O '61. (MIRA '15:2)
(Frankfort on the Main--Chemical apparatus--Exhibitions)

MEL'NIK, B.D.

Causes of explosions occurring during the purification of hydrogen
by liquid nitrogen. Khim.prom. no.9:625-630 S '62. (MIRA 15:11)
(Hydrogen) (Liquid nitrogen) (Explosions)

MEL'NIK, B.D.

Mineral fertilizer industry of the Soviet Union. Zhur.prikl.
khim. 35 no.10:2121-2130 0 '62. (MIRA 15:12)
(Fertilizer industry)

MEL'NIK, B.D.

Advantages and shortcomings of urea as a nitrogen fertilizer.
Khim prom. no.5:321-323 My '64. (MIRA 17:9)

L 56492-65

ACCESSION NR: AP5017800

UR/0286/65/000/011/0031/0031
631.859.12.902.2

4
B

AUTHOR: Karatayev, I. I.; Mel'nik, B. D.; Repenkova, T. G.; Sviridova, A. G.; Doktorov, N. I.; Nazarov, G. N. Raygorodskiy, I. M.; Vasil'yev, B. T.; Bystrov, M. V.; Babaryka, I. F.; Kuzyak, F. A.; Fel'dman, M. V.; Soverchenko, D. A.; Buslakova, L. P.; Toroptseva, N. P.; Lyubimov, S. V.; Ul'yanov, A. T.; Andres, V. V.; Sobchuk, Yu. I.; Tsetlina, M. M.; Andreyev, V. V.; Kramer, G. L.

TITLE: A method for producing phosphoro-potassium fertilizers. Class 16, No. 171-409

SOURCE: Byulleten' izobretaniy i tovarnykh znakov, no. 11, 1965, 31

TOPIC TAGS: fertilizer, phosphate, potassium

ABSTRACT: This Author's Certificate introduces a method for producing phosphoro-potassium fertilizers using cement dust (waste from cement production) as the potassium raw material. The process of adding potassium to the product is simplified and evaporation is prevented by using a 20% excess of an acid which directly neutralizes the cement dust for breaking down the phosphate raw material.

Card 1/2

L 56192-65

ACCESSION NR: AP5017800

0

ASSOCIATION: none

SUBMITTED: 29Mar62

ENCL: 00

SUB CODE: GC, LS

NO REF SOV: 000

OTHER: 000

JM
Card 2/2

MEL'NIK, R.D.; GLIZMANENKO, D.I.

Reviews and bibliography. Knim.prom. 41 no.4:72-73. Ap '65.
(MIRA 18:8)

MEL'NIK, B. V.

V-7

U.S.S.R./Human and Animal Physiology - Internal Secretion.

Abs Jour : Ref Zhur Biol., No 2, 1958, 8786

Author : B.E. Mel'nik

Inst : The Kishinev State Institute of Pediatrics

Title : The Status of the Morphogenetic Thyrotropic Activity of the Hypophysis in the Mammal *Citellus suslicus* Guld. Associated with the Altered Tone of the Central Nervous System Resulting from Ether Anesthesia. (An experimental Study Performed on Susliks).

Orig Pub : Uch. zap. Kishinevsk. gos. med. instituta, 1955, 3, 95-100

Abstract : The weight of thyroid glands of chicks which had received a suspension of pituitaries taken from susliks anesthetized with ether for 60 minutes either did not differ from or somewhat exceeded the weight of thyroid glands from chicks injected with physiological solution. The weight

Card 1/2

MEL'NIK, B. YE.

MEL'NIK, B. YE.: "The state of the melanophoric, thyrotropic, and gonadotropic functions of the hypophysis under the effect of certain narcotics and sporificals." Min Education RSFSR. Moscow State Pedagogical Inst imeni V. I. Lenin. Moscow, 1956
(Dissertation for the degree of Candidate of Biological Sciences)

SO: Knizhnaya Letopis', No 36, 1956, Moscow.

MEL'NIK, B.Ye.

Use of mechanical ventilation in storing seeds on collective and
state farms. Sel'khoz mashina no.5:10-11 My '55. (MIRA 8:6)
(Grain-- Storage) (Fans, Electric)

CHUKHAR'KO,Z.; MEL'NIK,B.; SILINA,S.

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